

INTERTEK TESTING SERVICE

Report No.: HK11011230-1

RF Exposure Evaluation

According to the guidelines of FCC's OET KDB 447498 D01, "Mobile and Portable Device - RF Exposure Procedures and Equipment Authorization Policies", the SAR evaluation for mobile and portable is exempted if the output power is not greater than

$$\frac{60}{f_{(GHz)}} \text{ mW.}$$

1. Tested model of S-00113 is a Portable Device, and the operation frequency range is 2.402 – 2.480 GHz.

Output power threshold

$$= 60 / 2.480$$

$$= \underline{\underline{24.19(mW)}}$$

2. The maximum field strength measured (FS) of shaker unit was 102 dB μ V/m. The distance (D) between the antenna and the equipment under test (EUT) was 3 meters. And the maximum source-based time-averaging duty factor is 3.125%.

The radiated power

$$= (FS \cdot D)^2 / 30$$

$$= \underline{\underline{4.755mW}}$$

The radiated (EIRP) source-based time-averaging output power

$$= (4.755 * 0.03125) \text{ mW}$$

$$= \underline{\underline{0.149mW}}$$

3. The conducted peak transmit power measured of shaker unit was 0.51 dBm. And the maximum source-based time-averaging duty factor is 3.125%.

The conducted power

$$= \underline{\underline{1.115mW}}$$

The conducted source-based time-averaging output power

$$= (1.115 * 0.03125) \text{ mW}$$

$$= \underline{\underline{0.0348mW}}$$

The maximum output power (higher value of conducted or radiated (EIRP) source based time-averaging output power) is 0.149mW and is not greater than the above output power threshold 24.19mW; therefore the hand SAR evaluation is exempted.